

REMARKS

In response to the December 19, 2003 Restriction Requirement, Applicants elect Group II, claims 5-14, 30 and 33 drawn to an isolated nucleic acid, and a vector, cell, composition and kit comprising the nucleic acid, classified in class 536, subclass 23.1. Further, Applicants elect the nucleic acid sequence, SEQ ID NO: 53, encoding the polypeptide SEQ ID NO: 54.

Applicants make the sequence election with traverse.

SEQ ID NOS: 43-48 and 49-52 (corresponding to NOV15a-c and 15e-f, respectively), are related sequences (see Attachment A). The subject matter of claims 5-14, 30, and 33, which is partially directed to SEQ ID NOS: 43-48 and 49-52, is reasonably related to SEQ ID NOS: 53 and 54. The search of the art relevant to SEQ ID NOS: 53 and 54 will necessarily encompass the subject matter of SEQ ID NOS: 43-48 and 49-52. Therefore, no additional burden is placed upon the Examiner to examine the compositions of SEQ ID NOS: 43-48 and 49-52.

The M.P.E.P. § 803 (Eighth Edition, August 2001, revised February 2003) states:

If the search and examination of an entire application can be made without serious search burden, the Examiner must examine it on the merit, even though it includes claims to independent and distinct inventions.

Accordingly, Applicants submit that claims directed to NOV15a-c and NOV15e-f (*i.e.*, SEQ ID NOS: 43-48 and 49-52) should be examined as well, because the search and examination of these claims would not unduly burden the examiner.

Upon entry of this amendment, claims 5, 9-14, and 30 will be pending. Claims 1-4, 15-29, 31-32, and 34-41 have been canceled without prejudice or disclaimer, as drawn to non-elected subject matter. Elected claims 6-8, and 33 have been canceled. Applicants reserve the right to pursue the subject matter of canceled claims in a later application. Claims 5, 9-12, and 30 have been amended to further reflect the subject matter. No new matter is presented in this amendment.

CORRECTION OF INVENTORSHIP UNDER 37 C.F.R. § 1.48(b).

Applicants have concurrently filed a Petition and Amendment to Correct Inventorship under 37 C.F.R. §1.48(b) (copy attached hereto), with the processing fee set forth in 37 C.F.R. § 1.17(i). The Petition and Amendment correcting inventorship requests the deletion of the

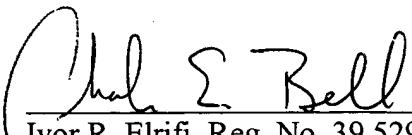
following persons who are not inventors of the claimed invention, as amended : Anderson, David W.; Andrew, David ; Ballinger, Robert A.; Baumgartner, Jason C; Boldog, Ferenc L.; Burgess, Catherine E.; Casman, Stacie J.; DeCristofaro, Marc F.; Edinger, Shlomit; Eisen, Andrew; Ellerman, Karen E.; Fernandes, Elma; Gerlach, Valerie L.; Gusev, Vladimir Y.; Kekuda, Ramesh; Li, Li; Liu, Xiaohong; MacDougall, John R.; Malyankar, Uriel M.; Mezes, Peter D.; Miller, Charles E.; Padigaru, Muralidhara ; Patturajan, Meera; Pena, Carol E.A.; Rothenberg, Mark E.; Shenoy, Suresh G.; Shimkets, Richard A.; Smithson, Glennda; Spytek, Kimberly A.; Stone, David J.; Taillon, Bruce; Taupier, Raymond J.; Tchernev, Velizar T.; Vernet, Corine; Wolenc, Adam; Zerhusen, Bryan D.; and Zhong, Mei

Upon entry of this amendment, Xiaojia Guo and Luca Rastelli are named as inventors of the claimed invention. Claims to the inventions of the deleted inventors have been canceled.

CONCLUSION

Applicants respectfully request that the amendments and remarks made herein be entered and made of record in the file history of the present application. Applicants respectfully submit that this paper is fully responsive and that the pending claims are in condition for allowance. Such action is respectfully requested. If there are any questions regarding these amendments and remarks, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Respectfully submitted,

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Applicants: Rastelli and Guo (as amended)
U.S.S.N. 10/055,877

ATTACHMENT A

Alignment of CG56449-01 (SEQ ID NO: 44, NOV15a), CG56449-02 (SEQ ID NO: 46, NOV15b), CG56449-03 (SEQ ID NO: 48, NOV15c), CG56449-06 (SEQ ID NO: 52, NOV15e) and CG56449-08(SEQ ID NO: 54, NOV15f)

CG56449-01	1	MPMGHSDRWSWRLRLALPLPVWLPAGGGRGADS----	PCLCSRPHVCAEQELTLVGRRQ	56
CG56449-06	1	MPMGHSDRWSWRLRLALPLPVWLPAGGGRGADS----	PCLCSRPHVCAEQELTLVGRRQ	56
CG56449-02	1	MPMGHSDRWSWRLRLALPLPVWLPAGGGRGADS----	PCLCSRPHVCAEQELTLVGRRQ	56
CG56449-08	1	MSFLEEARAAGRAVVLALVLLLLPAVPV GASVPPRLLFLQPGMPHVC	AEQELTLVGRRQ	60
CG56449-03	1	MPMGHSDRWSWRLRLALPLPVWLPAGGGRGADS----	PCLCSRPHVCAEQELTLVGRRQ	56
CG56449-01	57	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVL	RCCRGWMQQPDE	116
CG56449-06	57	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVL	RCCRGWMQQPDE	116
CG56449-02	57	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVL	RCCRGWTTQPDE	116
CG56449-08	61	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVL	RCCRGWMQQPDE	120
CG56449-03	57	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVL	RCCRGWTTQPDE	116
CG56449-01	117	EGCLSDVGECANANGGCAGRCDTVGGFYCRWPPPSHQLQGDGETCQDV	DECRTHNGGCQ	176
CG56449-06	117	EGCLSDVGECANANGGCAGRCDTVGGFYCRWPPPSHQLQGDGETCQDV	DECRTHNGGCQ	176
CG56449-02	117	EGCLS--AECSASLCFHGGRCVPGS-AQPCHCPP-G--FQGP-RCQYD	DECRTHNGGCQ	169
CG56449-08	121	EGCLSDVGECANANGGCAGRCDTVGGFYCRWPPPSHQLQGDGETCQDV	DECRTHNGGCQ	180
CG56449-03	117	EGCLS--AECSASLCFHGGRCVPGS-AQPCHCPP--GFQGP-RCQYD	DECRTHNGGCQ	169
CG56449-01	177	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALGNNGCQHHCVQLT	ITRHRCCQCRPGF	235
CG56449-06	177	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALGNNGCQHHCVQLT	ITRHRCCQCRPGF	235
CG56449-02	170	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALGNNGCQHHCVQLT	ITRHRCCQCRPGF	229
CG56449-08	181	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALGNNGCQHHCVQLT	ITRHRCCQCRPGF	239
CG56449-03	170	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALGNNGCQHHCVQLT	ITRHRCCQCRPGF	229
CG56449-01	236	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKA	CEDVDECAAGL	295
CG56449-06	236	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKA	CEDVDECAAGL	295
CG56449-02	230	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKA	CEDVDECAAGL	289
CG56449-08	240	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKA	CEDVDECAAGL	299
CG56449-03	230	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKA	CEDVDECAAGL	289
CG56449-01	296	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCS	HGCSHTSAGP	355
CG56449-06	296	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCS	HGCSHTSAGP	355
CG56449-02	290	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCS	HGCSHTSAGP	349
CG56449-08	300	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCS	HGCSHTSAGP	359
CG56449-03	290	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCS	HGCSHTSAGP	349

Applicants: Rastelli and Guo (as amended)
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CG56449-01	356	LCTCPRGYELDTDQRTC I RCRR LCRQPVLLQVCTNNPGGYECGCGYAGYRLSADGGCGCEDV	415
CG56449-06	356	LCTCPRGYELDTDQRTC I RCRR LCRQPVLLQVCTNNPGGYECGCGYAGYRLSADGGCGCEDV	415
CG56449-02	350	LCTCPRGYELDTDQRTC I RCRR LCRQPVLLQVCTNNPGGYECGCGYAGYRLSADGGCGCEDV	409
CG56449-08	360	LCTCPRGYELDTDQRTC I RCRR LCRQPVLLQVCTNNPGGYECGCGYAGYRLSADGGCGCEDV	419
CG56449-03	350	LCTCPRGYELDTDQRTC I RCRR LCRQPVLLQVCTNNPGGYECGCGYAGYRLSADGGCGCEDV	409
CG56449-01	416	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	475
CG56449-06	416	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	475
CG56449-02	410	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	469
CG56449-08	420	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	479
CG56449-03	410	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	469
CG56449-01	476	I AVLQDEL PQLF QDDDVGADEE E AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	535
CG56449-06	476	I AVLQDEL PQLF QDDDVGADEE E AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	535
CG56449-02	470	I AVLQDEL PQLF QDDDVGADEE E AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	529
CG56449-08	480	I AVLQDEL PQLF QDDDVGADEE E AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	539
CG56449-03	470	I AVLQDEL PQLF QDDDVGADEE E AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	529
CG56449-01	536	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCPPGVSGTN	595
CG56449-06	536	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCPPGVSGTN	595
CG56449-02	530	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCPPGVSGTN	589
CG56449-08	540	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCPPGVSGTN	599
CG56449-03	530	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCPPGVSGTN	589
CG56449-01	596	CEDGCPKGYGKHCRRKKCNANRGRCHRLYGACLDPLGYGRFCHLACPPWAF GPGCSEE	655
CG56449-06	596	CEDGCPKGYGKHCRRKKCNANRGRCHRLYGACLDPLGYGRFCHLACPPWAF GPGCSEE	655
CG56449-02	590	CEDGCPKGYGKHCRRKKCNANRGRCHRLYGACLDPLGYGRFCHLACPPWAF GPGCSEE	649
CG56449-08	600	CEDGCPKGYGKHCRRKKCNANRGRCHRLYGACLDPLGYGRFCHLACPPWAF GPGCSEE	659
CG56449-03	590	CEDGCPKGYGKHCRRKKCNANRGRCHRLYGACLDPLGYGRFCHLACPPWAF GPGCSEE	649
CG56449-01	656	CQCVQPHQTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	715
CG56449-06	656	CQCVQPHQTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	715
CG56449-02	650	CQCVQPHQTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	709
CG56449-08	660	CQCVQPHQTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	719
CG56449-03	650	CQCVQPHQTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	709
CG56449-01	716	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	775
CG56449-06	716	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	775
CG56449-02	710	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	769
CG56449-08	720	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	779
CG56449-03	710	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	769
CG56449-01	776	CEGLWGLGCQE ICPACHNAARCDPETGACLCPLPGFVGSRCQD - CEAGWYGPSCQTMSCSA	834
CG56449-06	776	CEGLWGLGCQE ICPACHNAARCDPETGACLCPLPGFVGSRCQD - CEAGWYGPSCQTMSCSA	834
CG56449-02	770	CEGLWGLGCQE ICPACHNAARCDPETGACLCPLPGFVGSRCQD - CEAGWYGPSCQTMSCSA	828
CG56449-08	780	CEGLWGLGCQE ICPACHNAARCDPETGACLCPLPGFVGSRCQD - CEAGWYGPSCQTMSCSA	838
CG56449-03	770	CEGLWGLGCQE ICPACHNAARCDPETGACLCPLPGFVGSRCQD - CEAGWYGPSCQTMSCSA	829
CG56449-01	835	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	894
CG56449-06	835	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	894
CG56449-02	829	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	888
CG56449-08	839	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	898
CG56449-03	830	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	889
CG56449-01	895	GYVGP RCEQSECPQGHF GP GCE QRCQCQHGAAACDHVSGACTCP AGWRGT FCEHACP AGFF	954
CG56449-06	895	GYVGP RCEQSECPQGHF GP GCE QRCQCQHGAAACDHVSGACTCP AGWRGT FCEHACP AGFF	954
CG56449-02	889	GYVGP RCEQSECPQGHF GP GCE QRCQCQHGAAACDHVSGACTCP AGWRGT FCEHACP AGFF	948
CG56449-08	899	GYVGP RCEQSECPQGHF GP GCE QRCQCQHGAAACDHVSGACTCP AGWRGT FCEHACP AGFF	958
CG56449-03	890	GYVGP RCEQSECPQGHF GP GCE QRCQCQHGAAACDHVSGACTCP AGWRGT FCEHACP AGFF	948
CG56449-01	955	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1014
CG56449-06	955	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1013
CG56449-02	949	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1008
CG56449-08	959	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1018
CG56449-03	949	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1007
CG56449-01	1015	DPVHGQCHCAP GWMGP SCLQACPAGLYGDNCRHSCLCQNGGTCDPVSGHCACP EGWAG - -	1072
CG56449-06	1014	DPVHGQCHCAP GWMGP SCLQACPAGLYGDNCRHSCLCQNGGTCDPVSGHCACP EGWAG - -	1071
CG56449-02	1009	DPVHGQCHCAP GWMGP SCLQACPAGLYGDNCRHSCLCQNGGTCDPVSGHCACP EGWAG - -	1066
CG56449-08	1019	DPVHGQCHCAP GWMGP SCLQACPAGLYGDNCRHSCLCQNGGTCDPVSGHCACP EGWAG - -	1076
CG56449-03	1008	DPVSGHCACP EGWAG LAGCEKECP PRDVRAGCRHS GGLNGGLCDPHHGRCLCP AGWAGDK	1067

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CG56449-01	1073	-----LACEVECLPRDVRAGCRHS	1091
CG56449-06	1072	-----LACEVECLPRDVRAGCRHS	1090
CG56449-02	1067	-----LACEVECLPRDVRAGCRHS	1085
CG56449-08	1077	-----LACEVECLPRDVRAGCRHS	1095
CG56449-03	1068	CQSPCLRGWFGACAQHCS CPP GAACHHVTGACRCP PGFTGS GCEGGC PPGRYGP GCEQL	1127
CG56449-01	1092	GGCLNGGLCDPHTGRCLCP AGWTGDKCQSPAACAKGTFGPHCEGRACRWGGPCHLATGA	1151
CG56449-06	1091	GGCLNGGLCDPHTGRCLCP AGWTGDKCQSPAACAKGTFGPHCEGRACRWGGPCHLATGA	1150
CG56449-02	1086	GGCLNGGLCDPHTGRCLCP AGWTGDKCQSPAACAKGTFGPHCEGRACRWGGPCHLATGA	1145
CG56449-08	1096	GGCLNGGLCDPHTGRCLCP AGWTGDKCQSPAACAKGTFGPHCEGRACRWGGPCHLATGA	1155
CG56449-03	1128	GGCLNGGSCDAATGACRCPTGFLGTDCLN-LTGPQGRFGPNCTHVC GCGGGAACDPVTGT	1185
CG56449-01	1152	CLCPPGWRGPHLSAACLRGWFGACAQRCSCPPGAACHHVTGACRCP PGFTGS GCEQACP	1211
CG56449-06	1151	CLCPPGWRGPHLSAACLRGWFGACAQRCSCPPGAACHHVTGACRCP PGFTGS GCEQACP	1210
CG56449-02	1146	CLCPPGWRGPHLSAACLRGWFGACAQRCSCPPGAACHHVTGACRCP PGFTGS GCEQACP	1205
CG56449-08	1156	CLCPPGWRGPHLSAACLRGWFGACAQRCSCPPGAACHHVTGACRCP PGFTGS GCEQACP	1215
CG56449-03	1186	CLCPPGRAGVRCERGCPQNRFGVGCEHTCS CRNGGLCHASN GSCSCGLGWTGRHCELACP	1245
CG56449-01	1212	PGSFGEDCAQMCQCP GENP ACHPATGTCSCAAAGYHGPSCQQRCP PGRYGP GCEQLCGCLN	1271
CG56449-06	1211	PGSFGEDCAQMCQCP GENP ACHPATGTCSCAAAGYHGPSCQQRCP PGRYGP GCEQLCGCLN	1270
CG56449-02	1206	PGSFGEDCAQMCQCP GENP ACHPATGTCSCAAAGYHGPSCQQRCP PGRYGP GCEQLCGCLN	1265
CG56449-08	1216	PGSFGEDCAQMCQCP GENP ACHPATGTCSCAAAGYHGPSCQQRCP PGRYGP GCEQLCGCLN	1275
CG56449-03	1246	PGRYGAACHLECSCHN-INSTGE PATGTCTCRGPGSGYGAACEHP CPPGFHGA GCGGGLCWQCH	1304
CG56449-01	1272	GGSCDAATGACRCPTGFLGTDCLNLTCPQGRFGPNCTHVC GCGGGAACDPVTGTCLCPPGR	1331
CG56449-06	1271	GGSCDAATGACRCPTGFLGTDCLNLTCPQGRFGPNCTHVC GCGGGAACDPVTGTCLCPPGR	1330
CG56449-02	1266	GGSCDAATGACRCPTGFLGTDCLNLTCPQGRFGPNCTHVC GCGGGAACDPVTGTCLCPPGR	1325
CG56449-08	1276	GGSCDAATGACRCPTGFLGTDCLNLTCPQGRFGPNCTHVC GCGGGAACDPVTGTCLCPPGR	1335
CG56449-03	1305	GAPCDPISGRCLCPAGFHGHFCERGC EPGSF GEGCHQRCD CDGGAPCDPVTGLCLCPPGR	1364
CG56449-01	1332	AGVRCERGC PQRNFVGVGCEHTCS CRNGGLCHASKR-----Q LLLWPGLDGAA	1378
CG56449-06	1331	AGVRCERGC PQRNFVGVGCEHTCS CRNGGLCHASKR-----Q LLLWPGLDGAA	1377
CG56449-02	1326	AGVRCERGC PQRNFVGVGCEHTCS CRNGGLCHASKR-----Q LLLWPGLDGAA	1372
CG56449-08	1336	AGVRCERGC PQRNFVGVGCEHTCS CRNGGLCHASN GSCSCGLGWTGRHCELACPPGRYGA	1395
CG56449-03	1365	SGATCNLD CRRGQFGP SCTLHCD CCGGADCDPVSG-----QCHCVDGYMGPT	1411
CG56449-01	1379	LRAGLS-----PWALRSRLPSGVLLPQQQH-----	1404
CG56449-06	1378	LRAGLS-----PWALRSRLPSGVLLPQQQH-----	1403
CG56449-02	1373	LRAGLS-----PWALRSRLPSGVLLPQQQH-----	1398
CG56449-08	1396	CHLECSCHNNSTCEPATGTCTCCGPGFYGAACEHP CPPGFHGA GCGGLCWCQHGAPCDPIS	1455
CG56449-03	1412	CREGGP-----LRLPENPS LAQGSAGTLPASSRPTSRSGGP ARH-----	1450
CG56449-01	1404	-----	1404
CG56449-06	1403	-----	1403
CG56449-02	1398	-----	1398
CG56449-08	1456	GRCLCPAGFHGHFCERGC EPGSF GEGCHQRCD CDGGAPCDPVTGLCLCPP GRS GATCNLD	1515
CG56449-03	1450	-----	1450
CG56449-01	1404	-----	1404
CG56449-06	1403	-----	1403
CG56449-02	1398	-----	1398
CG56449-08	1516	CRRGQFGP SCTLHCD CCGGADCDPVSGQCHCVDGYMGPTCREAGTLPASSRPTSRSGGPA	1575
CG56449-03	1450	-----	1450
CG56449-01	1404	--	1404
CG56449-06	1403	--	1403
CG56449-02	1398	--	1398
CG56449-08	1576	RH	1577
CG56449-03	1450	--	1450

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